

To: Whiteman, Chad[Ex. 6 - Personal Privacy]; Hengst, Benjamin[Hengst.Benjamin@epa.gov]
From: Sutton, Tia
Sent: Thur 6/4/2015 6:26:01 PM
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)
[Response to OMB Comments 6-4-2015.docx](#)
[Response to OMB Comments 6-4-2015 clean.docx](#)

Hi Chad,

Here are both clean and marked-up copies of the rule. All edits made in response to the comments this morning (plus some additional typo corrections and minor formatting) are highlighted in bright pink with "6-4-2015" added at the beginning of each comment so you can easily search for the edits.

Thanks,

Tia

From: Whiteman, Chad [Ex. 6 - Personal Privacy]
Sent: Thursday, June 04, 2015 10:27 AM
To: Sutton, Tia; Hengst, Benjamin
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

I heard back from the other reviewer. The comments that I forwarded this morning are the only follow-up comments that we have.

From: Whiteman, Chad
Sent: Thursday, June 4, 2015 9:05 AM
To: Sutton, Tia; Hengst, Benjamin
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Tia & Ben, Attached are the comments that I've received so far. I wanted to get these over to

you now although I'm still waiting on one more reviewer to respond. Will provide any additional comments as soon as I hear from them. Chad

From: Sutton, Tia [<mailto:sutton.tia@epa.gov>]
Sent: Wednesday, June 3, 2015 3:32 PM
To: Whiteman, Chad; Hengst, Benjamin
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)
Importance: High

Hi Chad,

Per your question about which pages have the "blue comment bubble" edits, a list is below. I added "**6-3-15:**" at the beginning of each comment so they're easier to find. I also noticed that the formatting wasn't quite right on a few tables, so I fixed those, but it repaginated the document a bit. The list below denotes which pages have the comments and the tables that I fixed.

Blue comment bubbles are on the following pages:

- 16-17
- 90-93
- 140
- 156
- 159

I also reformatted the ToFC, and the tables on pp.131 and 133-134 to be single-spaced.

Thanks,

Tia

From: Sutton, Tia
Sent: Wednesday, June 03, 2015 12:28 PM
To: 'Whiteman, Chad'; Hengst, Benjamin
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Hi Chad,

Please see attached file for EPA's edits in response to the discussion from yesterday's call -- our edits made in response to the comments are highlighted in blue comment bubbles. We also made an additional edit on the signature page only to add a heading that is now required on signature pages for EPA rules.

Thanks,

Tia

From: Whiteman, Chad; **Ex. 6 - Personal Privacy**
Sent: Monday, May 25, 2015 11:10 PM
To: Hengst, Benjamin
Cc: Sutton, Tia
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Ben,

Attached are the latest round of EO 12866 interagency comments. The comments can be identified by searching for EO13563 in the comment bubbles. We accepted the redline from your most recent passback so that only redline changes would be due to suggested edits. We left the previous comment bubbles though. Let me know if you would like to discuss.

Chad

From: Hengst, Benjamin [<mailto:Hengst.Benjamin@epa.gov>]
Sent: Thursday, May 14, 2015 12:16 PM
To: Whiteman, Chad
Cc: Sutton, Tia

Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards
ANPR (2060-AS31)

Hi Chad,

I'm attaching the next iteration of the aircraft package. A few notes:

Ex. 5 - Deliberative Process

Please let me know if you have questions.

Thanks,

Ben

From: Whiteman, Chad

Ex. 6 - Personal Privacy

Sent: Friday, May 08, 2015 5:29 PM
To: Sutton, Tia
Cc: Hengst, Benjamin
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Tia,

Attached are the suggested EO 12866 interagency comments pertaining to just Section G of the draft rule. The attached document does not contain the comments that I sent over on 5/8 in the email below. When EPA responds, please use the document from 5/8 and substitute Section G from the document attached to this email. The suggested changes in Section G can be identified by green highlighted text in the body of the email.

Please let me know if you have any questions.

Thanks,

Chad

From: Whiteman, Chad
Sent: Friday, May 08, 2015 12:18 AM
To: 'Sutton, Tia'
Cc: Hengst, Benjamin
Subject: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Tia,

Attached are additional comments on the aircraft emissions rule and endangerment finding. We're still working through language Section G and how to have something early next week. In the meantime, would you please respond to the attached comments. The new comments can be identified by searching for EO12866 in the comment bubbles.

Thanks,

Chad

To: Williams, Melina[Williams.Melina@epa.gov]; Manning, Bryan[manning.bryan@epa.gov]; Jantarasami, Lesley[Jantarasami.Lesley@epa.gov]; Birnbaum, Rona[Birnbaum.Rona@epa.gov]; Audette, Lucie[audette.lucie@epa.gov]; Schillo, Bruce[Schillo.Bruce@epa.gov]
Cc: Samulski, Michael[samulski.michael@epa.gov]; Leggett, Cullen[Leggett.Cullen@epa.gov]
From: Thrift, Mike
Sent: Thur 6/23/2016 9:14:28 PM
Subject: RE: One last question on response to FAA dates comment (comment bubble response)

Ex. 5 - Attorney Client

From: Williams, Melina
Sent: Thursday, June 23, 2016 2:09 PM
To: Manning, Bryan <manning.bryan@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Birnbaum, Rona <Birnbaum.Rona@epa.gov>; Audette, Lucie <audette.lucie@epa.gov>; Schillo, Bruce <Schillo.Bruce@epa.gov>
Cc: Samulski, Michael <samulski.michael@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>
Subject: RE: One last question on response to FAA dates comment (comment bubble response)

Hi Bryan,

Ex. 5 - Attorney Client

Melina Williams | US EPA | Office of General Counsel | Air and Radiation Law Office | Mail Code 2344A | phone: (202) 564-3406 | fax: (202) 564-5603

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product, or otherwise privileged material. Do not distribute outside of EPA or DOJ.

From: Manning, Bryan

Sent: Thursday, June 23, 2016 4:42 PM

To: Thrift, Mike <thrift.mike@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Birnbaum, Rona <Birnbaum.Rona@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Audette, Lucie <audette.lucie@epa.gov>; Schillo, Bruce <Schillo.Bruce@epa.gov>

Cc: Samulski, Michael <samulski.michael@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>

Subject: One last question on response to FAA dates comment (comment bubble response)

Mike,

Ex. 5 - Attorney Client

Thanks,

Bryan

Bryan Manning

U.S. EPA Office of Transportation and Air Quality

Large Marine and Aviation Center

2000 Traverwood Drive

Ann Arbor, MI 48105

(ph) 734-214-4832 (fax) 734-214-4816

manning.bryan@epa.gov

From: Thrift, Mike
Sent: Thursday, June 23, 2016 3:19 PM
To: Manning, Bryan <manning.bryan@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Birnbaum, Rona <Birnbaum.Rona@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Audette, Lucie <audette.lucie@epa.gov>; Schillo, Bruce <Schillo.Bruce@epa.gov>
Cc: Samulski, Michael <samulski.michael@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Ex. 5 - Attorney Client

From: Manning, Bryan
Sent: Thursday, June 23, 2016 12:11 PM
To: Thrift, Mike <thrift.mike@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Birnbaum, Rona <Birnbaum.Rona@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Audette, Lucie <audette.lucie@epa.gov>; Schillo, Bruce <Schillo.Bruce@epa.gov>
Cc: Samulski, Michael <samulski.michael@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Mike,

Ex. 5 - Attorney Client

Ex. 5 - Attorney Client

Thank you,

Bryan

Bryan Manning

U.S. EPA Office of Transportation and Air Quality

Large Marine and Aviation Center

2000 Traverwood Drive

Ann Arbor, MI 48105

(ph) 734-214-4832 (fax) 734-214-4816

manning.bryan@epa.gov

From: Thrift, Mike

Sent: Thursday, June 23, 2016 2:10 PM

To: Manning, Bryan <manning.bryan@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Birnbaum, Rona <Birnbaum.Rona@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Audette, Lucie <audette.lucie@epa.gov>; Schillo, Bruce <Schillo.Bruce@epa.gov>

Cc: Samulski, Michael <samulski.michael@epa.gov>; Leggett, Cullen <Leggett.Cullen@epa.gov>

Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Ex. 5 - Attorney Client

From: Manning, Bryan
Sent: Thursday, June 23, 2016 11:06 AM
To: Thrift, Mike <thrift.mike@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>;
Birnbaum, Rona <Birnbaum.Rona@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>;
Audette, Lucie <audette.lucie@epa.gov>; Schillo, Bruce <Schillo.Bruce@epa.gov>
Cc: Samulski, Michael <samulski.michael@epa.gov>; Leggett, Cullen
<Leggett.Cullen@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM
(2060-AS31)

Mike,

Ex. 5 - Attorney Client

Thank you,

Bryan

Bryan Manning

U.S. EPA Office of Transportation and Air Quality

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2000 Traverwood Drive

Ann Arbor, MI 48105

(ph) 734-214-4832 (fax) 734-214-4816

manning.bryan@epa.gov

From: Thrift, Mike

Sent: Thursday, June 23, 2016 1:11 PM

To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Birnbaum, Rona <Birnbaum.Rona@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>; Audette, Lucie <audette.lucie@epa.gov>; Schillo, Bruce <Schillo.Bruce@epa.gov>

Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Ex. 5 - Attorney Client

From: Jantarasami, Lesley

Sent: Thursday, June 23, 2016 6:22 AM

To: Thrift, Mike <thrift.mike@epa.gov>; Birnbaum, Rona <Birnbaum.Rona@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>; Audette, Lucie <audette.lucie@epa.gov>; Schillo, Bruce <Schillo.Bruce@epa.gov>

Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Hi all,

Ex. 5 - Attorney Client

Lesley

From: Thrift, Mike

Sent: Wednesday, June 22, 2016 3:40 PM

To: Birnbaum, Rona <Birnbaum.Rona@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>; Audette, Lucie <audette.lucie@epa.gov>; Schillo, Bruce <Schillo.Bruce@epa.gov>

Cc: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>

Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Ex. 5 - Attorney Client

Ex. 5 - Attorney Client

From: Birnbaum, Rona
Sent: Wednesday, June 22, 2016 12:07 PM
To: Williams, Melina <Williams.Melina@epa.gov>; Thrift, Mike <thrift.mike@epa.gov>; Manning, Bryan <manning.bryan@epa.gov>; Audette, Lucie <audette.lucie@epa.gov>; Schillo, Bruce <Schillo.Bruce@epa.gov>
Cc: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Subject: FW: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Ex. 5 - Attorney Client

Thanks, Rona

From: Whiteman, Chad

Ex. 6 - Personal Privacy

Sent: Wednesday, June 22, 2016 12:41 PM
To: Birnbaum, Rona <Birnbaum.Rona@epa.gov>
Cc: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Hi Rona,

Ex. 5 - Deliberative Process

Chad

From: Whiteman, Chad
Sent: Friday, June 17, 2016 12:01 PM
To: 'Birnbaum, Rona' <Birnbaum.Rona@epa.gov>
Cc: 'Jantarasami, Lesley' <Jantarasami.Lesley@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Hi Rona,

Ex. 5 - Deliberative Process

Chad

From: Whiteman, Chad
Sent: Wednesday, June 15, 2016 4:06 AM
To: 'Birnbaum, Rona' <Birnbaum.Rona@epa.gov>
Cc: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Subject: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Hi Rona,

Ex. 5 - Deliberative Process

Let me know if you have any questions.

Thanks,

Chad

To: Galperin, Diana[Galperin.Diana@epa.gov]
Cc: Lie, Sharyn[Lie.Sharyn@epa.gov]; Levy, Aaron[Levy.Aaron@epa.gov]; Manning, Bryan[manning.bryan@epa.gov]; K L[Kristin.Lewis@dot.gov]; Daniel.Williams@faa.gov[Daniel.Williams@faa.gov]
From: James.Hileman@faa.gov
Sent: Wed 5/17/2017 4:19:22 PM
Subject: RE: Sustainability Comments

Dear Diana,

Ex. 5 - Deliberative Process

Thanks much again,

Jim

From: Galperin, Diana [mailto:Galperin.Diana@epa.gov]
Sent: Wednesday, May 10, 2017 4:37 PM
To: Hileman, James (FAA); Williams, Daniel (FAA)
Cc: Lie, Sharyn; Levy, Aaron; Manning, Bryan

Subject: Sustainability Comments

Dear Jim and Dan,

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Please let us know if there are any further questions about this.

Diana Galperin

Transportation and Climate Division

Office of Transportation and Air Quality

U.S. Environmental Protection Agency

Phone: 202-564-5687

Galperin.diana@epa.gov

To: Samulski, Michael[samulski.michael@epa.gov]; Manning, Bryan[manning.bryan@epa.gov]
From: Ralph.lovinelli@faa.gov
Sent: Tue 1/26/2016 4:24:01 AM
Subject: FW: Call with EU on ICAO
US Position-CO2 Standard dpc NSC+RI2.pptx

Mike, Bryan,

Ex. 5 - Deliberative Process

May I call you at 0930 to gather your thoughts?

Thanks,

Ralph

From: Maurice, Lourdes (FAA)
Sent: Monday, January 25, 2016 6:32 PM
To: lovinelli, Ralph (FAA)
Subject: Fwd: Call with EU on ICAO

I guess we better review. But you know I will present in a different manner. But we best have internal coordination.

Sent from my iPhone

Begin forwarded message:

From: "Vahlsing, Candace M." [Ex. 6 - Personal Privacy]
Date: January 25, 2016 at 6:26:29 PM EST
To: "Lourdes.Maurice@faa.gov" <Lourdes.Maurice@faa.gov>
Cc: "Welsh, Kevin W." [Ex. 6 - Personal Privacy]
"McCabe.Janet@epa.gov" <McCabe.Janet@epa.gov>, "charmley.william@epa.gov" <charmley.william@epa.gov>, "Duke, Rick" [Ex. 6 - Personal Privacy]

"Grundler, Christopher" <grundler.christopher@epa.gov>, "Charmley, William"
<charmley.william@epa.gov>
Subject: RE: Call with EU on ICAO

Ex. 5 - Deliberative Process

-----Original Message-----

From: Lourdes.Maurice@faa.gov [mailto:Lourdes.Maurice@faa.gov]

Sent: Monday, January 25, 2016 6:19 PM

To: Vahlsing, Candace M. Ex. 6 - Personal Privacy

Cc: Welsh, Kevin W. Ex. 6 - Personal Privacy

McCabe.Janet@epa.gov; charmley.william@epa.gov; Duke, Rick Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy

Subject: Re: Call with EU on ICAO

Ex. 5 - Deliberative Process

Thanks for your consideration.

Lourdes

Sent from my iPhone

On Jan 25, 2016, at 6:09 PM, Vahlsing, Candace M. Ex. 6 - Personal Privacy

Ex. 6 - Personal Privacy wrote:

Janet/Lourdes,

Ex. 5 - Deliberative Process

-----Original Message-----

From: Welsh, Kevin [Ex. 6 - Personal Privacy]

Sent: Monday, January 25, 2016 5:10 PM

To: 'McCabe, Janet' <McCabe.Janet@epa.gov>; Charmley, William
<charmley.william@epa.gov>; 'Lourdes.Maurice@faa.gov'
<Lourdes.Maurice@faa.gov>

Cc: Duke, Rick [Ex. 6 - Personal Privacy]; Vahlsing, Candace M.
[Ex. 6 - Personal Privacy]

Subject: RE: Call with EU on ICAO

Will do. Thanks.

From: McCabe, Janet [<mailto:McCabe.Janet@epa.gov>]

Sent: Monday, January 25, 2016 4:55 PM

To: Welsh, Kevin [Ex. 6 - Personal Privacy]; Charmley, William
<charmley.william@epa.gov>; 'Lourdes.Maurice@faa.gov'
<Lourdes.Maurice@faa.gov>

Cc: Duke, Rick [Ex. 6 - Personal Privacy]; Vahlsing, Candace
[Ex. 6 - Personal Privacy]

Subject: RE: Call with EU on ICAO

Kevin. Please put Bill, Chris and me on the manifest for tomorrow's call. Thanks for getting it set up.

From: Welsh, Kevin [Ex. 6 - Personal Privacy]

Sent: Monday, January 25, 2016 4:02 PM

To: McCabe, Janet <McCabe.Janet@epa.gov <mailto:McCabe.Janet@epa.gov> >;
Charmley, William <charmley.william@epa.gov <mailto:charmley.william@epa.gov>
>; 'Lourdes.Maurice@faa.gov' <Lourdes.Maurice@faa.gov
<mailto:Lourdes.Maurice@faa.gov> >

Cc: Duke, Rick [Ex. 6 - Personal Privacy] [Ex. 6 - Personal Privacy]
>; Vahlsing, Candace [Ex. 6 - Personal Privacy]
[Ex. 6 - Personal Privacy]

Subject: Call with EU on ICAO

Dear Janet, Bill and Lourdes,

We are confirmed for a teleconference with the EU for tomorrow at 11am. I will draft a short proposed agenda and provide a manifest for participation on our side to send to the EU tonight.

Here is a notional agenda:

Ex. 5 - Deliberative Process

* Follow-up

Please let me know if you have any additional suggestions to the above.

Ex. 5 - Deliberative Process

Thanks,

Kevin

<US Position-CO2 Standard dpc NSC.PPTX>

To: Manning, Bryan[manning.bryan@epa.gov]; Samulski, Michael[samulski.michael@epa.gov]
From: Ralph.lovinelli@faa.gov
Sent: Tue 12/9/2014 4:51:42 PM
Subject: RE: Resend: Update on aircraft CO2 EF
[FAA-EPA CO2 Standard briefing_Dec2014_v3_redline.docx](#)
[FAA-EPA CO2 Standard briefing_Dec2014_v3_clean.docx](#)

Hi Mike/Bryan,

Ex. 5 - Deliberative Process

Thanks,

Ralph

From: Manning, Bryan [mailto:manning.bryan@epa.gov]
Sent: Monday, November 24, 2014 4:32 PM
To: Samulski, Michael; lovinelli, Ralph (FAA)
Subject: Resend: Update on aircraft CO2 EF

Ex. 5 - Deliberative Process

Thank you,

Bryan

Bryan Manning

U.S. EPA Office of Transportation and Air Quality

Large Marine and Aviation Center

2000 Traverwood Drive

Ann Arbor, MI 48105

(ph) 734-214-4832 (fax) 734-214-4816

manning.bryan@epa.gov

From: Samulski, Michael

Sent: Monday, November 24, 2014 4:01 PM

To: Ralph.lovinelli@faa.gov

Cc: Manning, Bryan

Subject: RE: Update on aircraft CO2 EF

Ralph,

Ex. 5 - Deliberative Process

Mike

Michael Samulski

U.S. Environmental Protection Agency

Office of Transportation and Air Quality

Director, Large Marine and Aircraft Center

1 (734) 214-4532

samulski.michael@epa.gov

From: Ralph.lovinelli@faa.gov [mailto:Ralph.lovinelli@faa.gov]

Sent: Monday, November 24, 2014 3:56 PM

To: Samulski, Michael; Manning, Bryan

Subject: Update on aircraft CO2 EF

Hi Mike and Bryan,

Ex. 5 - Deliberative Process

Best Regards,

Ralph Iovinelli

Manager, Emissions Division (AEE-300)

Office of Environment and Energy

Federal Aviation Administration

800 Independence Ave., SW

Washington, DC 20591

+1-202-267-3566 office

+1-202-288-6372 mobile

ralph.iovinelli@faa.gov

To: Jantarasami, Lesley[Jantarasami.Lesley@epa.gov]
From: Manning, Bryan
Sent: Wed 7/13/2016 6:57:55 PM
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)
ERG Peer Review Memo US Fuel Use CO2 Emiss Inv Aircraft below ICAO Thresholds 2015.pdf

Hello Lesley,

I believe the attachment is the memo you were asking for. Thanks. Bryan

Bryan Manning

U.S. EPA Office of Transportation and Air Quality

Large Marine and Aviation Center

2000 Traverwood Drive

Ann Arbor, MI 48105

(ph) 734-214-4832 (fax) 734-214-4816

manning.bryan@epa.gov

From: Jantarasami, Lesley
Sent: Wednesday, July 13, 2016 2:23 PM
To: Manning, Bryan <manning.bryan@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Sounds good. Can you resend me the ERG peer review memo that we put in the docket?
Thanks!

Lesley

From: Manning, Bryan

Sent: Wednesday, July 13, 2016 1:41 PM
To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Thanks, Lesley. I do not feel like I need to call in for the peer review call today. Yet, let me know if anything comes up during the call that pertains to OTAQ issues.

Thanks again,

Bryan

Bryan Manning

U.S. EPA Office of Transportation and Air Quality

Large Marine and Aviation Center

2000 Traverwood Drive

Ann Arbor, MI 48105

(ph) 734-214-4832 (fax) 734-214-4816

manning.bryan@epa.gov

From: Jantarasami, Lesley
Sent: Wednesday, July 13, 2016 1:37 PM
To: Manning, Bryan <manning.bryan@epa.gov>
Subject: FW: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Bryan – fyi, an update on that legal team meeting. Sounds like it won't be very substantive (5 min, so maybe one question?). I can let you know the call-in for tomorrow anyway, but the peer review call today you prob don't need to be on. Ex. 6 - Personal Privacy
Rona will be covering it for us. If you do feel like you should call in, I can let her know to fwd you the info when she gets it.

Thanks,

Lesley

From: Birnbaum, Rona
Sent: Wednesday, July 13, 2016 1:32 PM
To: Orlin, David <Orlin.David@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Please keep a hold on 3:00-3:30 today AND tomorrow.

Chad is trying to get something set up today to discuss the mentioning of the fact that we adhered to peer review guidance.

In addition, discussion with legal sounds like it will be tomorrow but it also sounds like it will be brief and with the same person as the original call. He said it may take 5 minutes tomorrow.

From: Orlin, David
Sent: Wednesday, July 13, 2016 12:36 PM
To: Williams, Melina <Williams.Melina@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Cc: Birnbaum, Rona <Birnbaum.Rona@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

I can do 1 as well, but I was planning to look at the latest version between now and 3 (plus get some lunch)

David Orlin

U.S. EPA, Office of General Counsel

(202) 564-1222

From: Williams, Melina
Sent: Wednesday, July 13, 2016 12:33 PM
To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Orlin, David <Orlin.David@epa.gov>
Cc: Birnbaum, Rona <Birnbaum.Rona@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

I can certainly do 1, so your call.

Melina Williams | US EPA | Office of General Counsel | Air and Radiation Law Office | Mail Code 2344A | phone: (202) 564-3406 | fax: (202) 564-5603

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From: Jantarasami, Lesley
Sent: Wednesday, July 13, 2016 12:30 PM
To: Orlin, David <Orlin.David@epa.gov>; Williams, Melina <Williams.Melina@epa.gov>
Cc: Birnbaum, Rona <Birnbaum.Rona@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Ok Ex. 6 - Personal Privacy at I would really prefer not to miss since they have such limited availability. I'll check with Rona if she's ok covering the call for me. I think it's more important for you guys to be there since it's their legal team they're bringing to the call.

Lesley

From: Orlin, David
Sent: Wednesday, July 13, 2016 12:26 PM
To: Williams, Melina <Williams.Melina@epa.gov>; Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Cc: Birnbaum, Rona <Birnbaum.Rona@epa.gov>

Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

same

David Orlin

U.S. EPA, Office of General Counsel

(202) 564-1222

From: Williams, Melina
Sent: Wednesday, July 13, 2016 12:20 PM
To: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>; Orlin, David <Orlin.David@epa.gov>
Cc: Birnbaum, Rona <Birnbaum.Rona@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

I could do either but would prefer 3.

Melina Williams | US EPA | Office of General Counsel | Air and Radiation Law Office | Mail Code 2344A | phone: (202) 564-3406 | fax: (202) 564-5603

The contents of this e-mail and any attachments to it may contain deliberative-process, attorney-client, attorney work product, or otherwise privileged material. Do not distribute outside of EPA or DOJ.

From: Jantarasami, Lesley
Sent: Wednesday, July 13, 2016 12:19 PM
To: Williams, Melina <Williams.Melina@epa.gov>; Orlin, David <Orlin.David@epa.gov>
Cc: Birnbaum, Rona <Birnbaum.Rona@epa.gov>
Subject: FW: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

See request from Chad below – could you make either of those times today?

From: Whiteman, Chad **Ex. 6 - Personal Privacy**
Sent: Wednesday, July 13, 2016 12:16 PM
To: Birnbaum, Rona <Birnbaum.Rona@epa.gov>
Cc: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Rona, Would you folks be available today at 1pm or 3pm for a quick follow-up with our legal team? Chad

From: Whiteman, Chad
Sent: Tuesday, July 12, 2016 4:41 PM
To: 'Birnbaum, Rona' <Birnbaum.Rona@epa.gov>
Cc: 'Jantarasami, Lesley' <Jantarasami.Lesley@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Hi Rona,

Attached are the latest round of comments from interagency reviewers. EPA can identify the comments by searching for "7/12" in the comment bubbles and by the language highlighted in fuchsia.

Ex. 5 - Deliberative Process

Let me know if you have any questions or continued concerns so we can schedule a follow-up or elevate as necessary.

Regards,

Chad

From: Whiteman, Chad
Sent: Wednesday, June 22, 2016 12:41 PM
To: 'Birnbaum, Rona' <Birnbaum.Rona@epa.gov>
Cc: 'Jantarasami, Lesley' <Jantarasami.Lesley@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Hi Rona,

Attached is the comment that I discussed with you on the phone. Will you insert the comment and EPA response in the passback? Would you folks be available Wednesday, July 6th at 2:30pm to discuss EPA's response to interagency comments. Other times that are currently available include Thursday, July 7th at 10am and 2pm.

Chad

From: Whiteman, Chad
Sent: Friday, June 17, 2016 12:01 PM
To: 'Birnbaum, Rona' <Birnbaum.Rona@epa.gov>
Cc: 'Jantarasami, Lesley' <Jantarasami.Lesley@epa.gov>
Subject: RE: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Hi Rona,

The additional comments that I mentioned in my previous email are included in the attached document. The comments can be identified by searching for "6-17" in the comment bubbles with the green highlighted text. Once you folks passback, we'll schedule a call to discuss the passback as well as the other comments that are flagged for discussion.

Chad

From: Whiteman, Chad
Sent: Wednesday, June 15, 2016 4:06 AM

To: 'Birnbaum, Rona' <Birnbaum.Rona@epa.gov>
Cc: Jantarasami, Lesley <Jantarasami.Lesley@epa.gov>
Subject: EO 12866 Comments on EPA Endangerment/Cause Contribute Findings FRM (2060-AS31)

Hi Rona,

Attached are the EO 12866 interagency comments on EPA draft final rule titled, "Finding that Greenhouse Gas Emissions from Aircraft Cause or Contribute to Air Pollution that May Reasonably Be Anticipated to Endanger Public Health and Welfare," RIN 2060-AS31. A few comments were marked for further discussion as there may be additional comments coming on those sections.

Let me know if you have any questions.

Thanks,

Chad

To: Sutton, Tia[sutton.tia@epa.gov]
From: Manning, Bryan
Sent: Thur 6/18/2015 3:55:00 PM
Subject: FW: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)
[Response to OMB Comments 6-3-2015.docx](#)

Tia,

Do you have a PDF of the below email exchanges with OMB? Thanks. Bryan

From: Sutton, Tia
Sent: Wednesday, June 03, 2015 3:36 PM
To: Audette, Lucie; Manning, Bryan; Jantarasami, Lesley
Subject: FW: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)
Importance: High

Resent the document...

Chad asked which pages had comments, so I wanted to send a list, but I also wanted to let you know that I reformatted a few things. Tables of Contents and all tables are supposed to be single-spaced per FR formatting requirements. So I made the ToC single (it was double-spaced) and the tables that I reformatted were single-spaced, but they had a formatting set-up to add 6 pt font between the rows. This extra space does look like double-spacing, which would be something that would be caught during FR review, so thought it best to change now so it doesn't hold up your publication.

From: Sutton, Tia
Sent: Wednesday, June 03, 2015 3:32 PM
To: 'Whiteman, Chad'; Hengst, Benjamin
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)
Importance: High

Hi Chad,

Per your question about which pages have the “blue comment bubble” edits, a list is below. I added “6-3-15:” at the beginning of each comment so they’re easier to find. I also noticed that the formatting wasn’t quite right on a few tables, so I fixed those, but it repaginated the document a bit. The list below denotes which pages have the comments and the tables that I fixed.

Blue comment bubbles are on the following pages:

- 16-17
- 90-93
- 140
- 156
- 159

I also reformatted the ToFC, and the tables on pp.131 and 133-134 to be single-spaced.

Thanks,

Tia

From: Sutton, Tia

Sent: Wednesday, June 03, 2015 12:28 PM

To: 'Whiteman, Chad'; Hengst, Benjamin

Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Hi Chad,

Please see attached file for EPA’s edits in response to the discussion from yesterday’s call -- our edits made in response to the comments are highlighted in blue comment bubbles. We also made an additional edit on the signature page only to add a heading that is now required on signature pages for EPA rules.

Thanks,

Tia

From: Whiteman, Chad [Ex. 6 - Personal Privacy]
Sent: Monday, May 25, 2015 11:10 PM
To: Hengst, Benjamin
Cc: Sutton, Tia
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Ben,

Attached are the latest round of EO 12866 interagency comments. The comments can be identified by searching for EO13563 in the comment bubbles. We accepted the redline from your most recent passback so that only redline changes would be due to suggested edits. We left the previous comment bubbles though. Let me know if you would like to discuss.

Chad

From: Hengst, Benjamin [<mailto:Hengst.Benjamin@epa.gov>]
Sent: Thursday, May 14, 2015 12:16 PM
To: Whiteman, Chad
Cc: Sutton, Tia
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Hi Chad,

I'm attaching the next iteration of the aircraft package. A few notes:

- This version responds to the 5/8 comments, and incorporates the new Section G edits as well.

- We are attaching three supporting documents that you requested.
- In addition to responding to specific interagency comments in this 2nd round, we have updated sections I, II, and V (most updates are in section V) with 2013 GHG inventory numbers, which are from the 2015 EPA GHG & Sinks report just published on April 15, 2015. Note, in the first round of OMB review, OMB asked, “has EPA released the inventory for 2013 and 2014 yet – if so, consider including in this discussion.” We responded that since the 2013 inventory numbers were just released, we need time to update the inventory numbers throughout the preamble (particularly section V), and OMB was okay with this response. Subsequently, we have now finished updating these inventory numbers.

Please let me know if you have questions.

Thanks,

Ben

From: Whiteman, Chad Ex. 6 - Personal Privacy
Sent: Friday, May 08, 2015 5:29 PM
To: Sutton, Tia
Cc: Hengst, Benjamin
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Tia,

Attached are the suggested EO 12866 interagency comments pertaining to just Section G of the draft rule. The attached document does not contain the comments that I sent over on 5/8 in the email below. When EPA responds, please use the document from 5/8 and substitute Section G from the document attached to this email. The suggested changes in Section G can be identified by green highlighted text in the body of the email.

Please let me know if you have any questions.

Thanks,

Chad

From: Whiteman, Chad

Sent: Friday, May 08, 2015 12:18 AM

To: 'Sutton, Tia'

Cc: Hengst, Benjamin

Subject: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Tia,

Attached are additional comments on the aircraft emissions rule and endangerment finding. We're still working through language Section G and how to have something early next week. In the meantime, would you please respond to the attached comments. The new comments can be identified by searching for EO12866 in the comment bubbles.

Thanks,

Chad

To: Sutton, Tia[sutton.tia@epa.gov]
From: Manning, Bryan
Sent: Thur 6/18/2015 3:54:08 PM
Subject: FW: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)
[Response to OMB Comments 6-3-2015.docx](#)

Tia,

Do you have a PDF of the below email exchanges with OMB? Thanks. Bryan

From: Sutton, Tia
Sent: Wednesday, June 03, 2015 12:30 PM
To: Audette, Lucie; Manning, Bryan; Jantarasami, Lesley
Subject: FW: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

FYI- just wanted to make sure you guys had the email & file that we sent over for docketing purposes.

From: Sutton, Tia
Sent: Wednesday, June 03, 2015 12:28 PM
To: 'Whiteman, Chad'; Hengst, Benjamin
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Hi Chad,

Ex. 5 - Deliberative Process

Thanks,

Tia

From: Whiteman, Chad
Sent: Monday, May 25, 2015 11:10 PM
To: Hengst, Benjamin
Cc: Sutton, Tia
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Ex. 6 - Personal Privacy

Ben,

Ex. 5 - Deliberative Process

Chad

From: Hengst, Benjamin [<mailto:Hengst.Benjamin@epa.gov>]
Sent: Thursday, May 14, 2015 12:16 PM
To: Whiteman, Chad
Cc: Sutton, Tia
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Hi Chad,

I'm attaching the next iteration of the aircraft package. A few notes:

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

Please let me know if you have questions.

Thanks,

Ben

From: Whiteman, Chad Ex. 6 - Personal Privacy
Sent: Friday, May 08, 2015 5:29 PM
To: Sutton, Tia
Cc: Hengst, Benjamin
Subject: RE: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Tia,

Ex. 5 - Deliberative Process

Please let me know if you have any questions.

Thanks,

Chad

From: Whiteman, Chad

Sent: Friday, May 08, 2015 12:18 AM

To: 'Sutton, Tia'

Cc: Hengst, Benjamin

Subject: EO 12866 Comments on EPA Aircraft Endangerment Finding NOPR/GHG Standards ANPR (2060-AS31)

Tia,

Ex. 5 - Deliberative Process

Thanks,

Chad

Sutton, Tia

From: Hengst, Benjamin
Sent: Wednesday, March 11, 2015 4:33 PM
To: Whiteman, Chad; Sutton, Tia
Subject: RE: EPA Aircraft GHG/EF draft rule briefing materials
Attachments: Aircraft GHG endangerment OMB Briefing 3 12 15 final.pptx

Materials for circulation attached. Thanks. Ben

From: Whiteman, Chad [Ex. 6 - Personal Privacy]
Sent: Wednesday, March 11, 2015 1:50 PM
To: Sutton, Tia
Cc: Hengst, Benjamin
Subject: EPA Aircraft GHG/EF draft rule briefing materials

Tia,
Will you folks be able to send over the briefing materials today so that I can circulate with the interagency review group? Just to confirm, we're using the call-in number:

Bridge Number [Ex. 6 - Personal Privacy]
Conferee Passcode [Ex. 6 - Personal Privacy]

Thanks,
Chad

To: Lourdes.Maurice@faa.gov[Lourdes.Maurice@faa.gov]; Manning, Bryan[manning.bryan@epa.gov]; Simon, Karl[Simon.Karl@epa.gov]; Levy, Aaron[Levy.Aaron@epa.gov]; Lie, Sharyn[Lie.Sharyn@epa.gov]; Daniel.Williams@faa.gov[Daniel.Williams@faa.gov]; Camobreco, Vincent[Camobreco.Vincent@epa.gov]
Cc: Dupree, Sheena[Dupree.Sheena@epa.gov]; Nathan.Brown@faa.gov[Nathan.Brown@faa.gov]
From: James.Hileman@faa.gov
Sent: Mon 11/9/2015 7:10:07 PM
Subject: RE: FAA Meeting w/ EPA Members
[20151109 AFTF Info.pptx](#)
[CAEP 10 WP Agenda Item 08 en US Views on AFTF - v04.docx](#)
[IP03_AFTF4- LCA methodology -27OCT.DOCX](#)

Hello Everyone,

Below you will find the agenda for today's meeting. To facilitate the discussions, I have attached a few very high level slides on the AFTF work. These are the same slides that I presented to Sharyn, Aaron and Vince on October 8. I have also attached the CAEP Working Paper that went into the IGIA process last week on Friday and the working version of the CAEP Information Paper on the AFTF LCA methodology. Please note I will also bring print-outs of these.

Agenda for FAA and EPA Discussion on Alternative Fuels

Monday, November 9, 2015
 1200 Pennsylvania Ave NW, Office 5512MM

Ex. 5 - Deliberative Process

Jim

James I. Hileman, Ph.D.
 Chief Scientific and Technical Advisor for Environment and Energy
 Office of Environment and Energy (AEE-3)
 Federal Aviation Administration
 800 Independence Avenue, S.W.
 Washington, D.C. 20591
 Phone: (202) 267-4752
 Mobile: (202) 578-1056
 Email: james.hileman@faa.gov

-----Original Appointment-----

From: Julien, Janeya CTR (FAA) **On Behalf Of** Hileman, James (FAA)

Sent: Monday, October 19, 2015 2:58 PM

To: Hileman, James (FAA); Maurice, Lourdes (FAA); 'Levy.Aaron@epa.gov'; Lie, Sharyn; 'manning.bryan@epa.gov'; 'simon.karl@epa.gov'; 'Levy.Aaron@epa.gov'; Lie, Sharyn;

'manning.bryan@epa.gov'; 'simon.karl@epa.gov'

Cc: 'dupree.sheena@epa.gov'; Williams, Daniel (FAA); 'dupree.sheena@epa.gov'

Subject: FAA Meeting w/ EPA Members

When: Monday, November 09, 2015 3:15 PM-4:00 PM (UTC-05:00) Eastern Time (US & Canada).

Where: Karls Simons Office @ 1200 Pennsylvania Ave NW Washington DC

Location of Karl Simmons Office

1200 Pennsylvania Ave NW Washington, DC
Office Number 5512MM

His assistant suggested that you arrive 10 minutes early in order to give yourself time to get through security.

From: Samulski, Michael
Importance: Normal
Subject: Meeting with OIRA on Aircraft
Start Date/Time: Thur 2/18/2016 4:00:00 PM
End Date/Time: Thur 2/18/2016 5:30:00 PM

From: Ralph.Iovinelli@faa.gov [mailto:Ralph.Iovinelli@faa.gov]

Sent: Tuesday, February 16, 2016 3:59 PM

To: [REDACTED] **Ex. 6 - Personal Privacy**

Lourdes.Maurice@faa.gov; Samulski, Michael; Manning, Bryan; McCabe, Janet;

[REDACTED] **Ex. 6 - Personal Privacy**

[REDACTED] **Ex. 6 - Personal Privacy** Hengst, Benjamin; Charmley, William; LeFranc, Maurice;

Rich.Swayze@faa.gov; carl.burleson@faa.gov; shoshana.lew@dot.gov; Atkinson, Emily;

[REDACTED] **Ex. 6 - Personal Privacy** Davidson, Ken; Leggett, Cullen

Cc: [REDACTED] **Ex. 6 - Personal Privacy**; Arthur.Rypinski@dot.gov;

[REDACTED] **Ex. 6 - Personal Privacy**

; Laszlo.Windhoffer@faa.gov;

maryalice.locke@faa.gov; curtis.holsclaw@faa.gov

Subject: RE: Int'l Aircraft CO2 Emissions Standard to US Domestic Regulation

Dear All,

Several folks from out of town have requested a WebEx/telecon line for this meeting. Here is the information:

US toll-free call in and passcode [REDACTED] **Ex. 6 - Personal Privacy**

WEBEX

- * Go to website [REDACTED] **Ex. 6 - Personal Privacy**
- * Enter meeting number [REDACTED] **Ex. 6 - Personal Privacy**
- * Enter access code [REDACTED] **Ex. 6 - Personal Privacy**
- * Enter user email
- * Enter user first/last name
- * (next screen)
- * Select "Participant" and click submit
- * Website will automatically run Webex files and open meeting; host can view documents and chat/raise hand

Best Regards,

Ralph Iovinelli

Manager, Emissions Division (AEE-300)
 Office of Environment and Energy
 Federal Aviation Administration
 800 Independence Ave., SW
 Washington, DC 20591

+1-202-267-3566 office
 +1-202-288-6372 mobile
ralph.iovinelli@faa.gov

From: Iovinelli, Ralph (FAA)

Sent: Friday, January 29, 2016 5:43 PM

To: 'Vahlsing, Candace M.'; Welsh, Kevin W.; Maurice, Lourdes (FAA); 'Samulski, Michael'; Manning, Bryan; McCabe, Janet@epa.gov; Utech, Dan G.; Duke, Rick; Zaidi, Ali A.; Bodnar, Paul N.; Hengst, Benjamin; Charmley, William; LeFranc, Maurice; Swayze, Rich (FAA); Burleson, Carl (FAA); Lew, Shoshana (OST); Atkinson, Emily; 'Whiteman, Chad'
Cc: Mohtadi, Shara Z. EOP/OMB; Rypinski, Arthur (OST); Golden, Robert E. EOP/WHO; WH Energy and Climate Change; Windhoffer, Laszlo (FAA); Locke, Maryalice (FAA); Holsclaw, Curtis (FAA)
Subject: Int'l Aircraft CO2 Emissions Standard to US Domestic Regulation

Dear All,

First, please pass this invitation to those I missed.

This email follows-up on the action item and discussions from the EOP telecon on Tuesday, 1/26 at 530pm. There will be a joint OIRA/EPA/FAA meeting at the OIRA offices located at **1800 G Street, NW, 9th floor** on **Thursday, February 18** from **11am to 12:30pm**.

Ex. 5 - Deliberative Process

Please do not hesitate to contact Chad Whiteman (Ex. 6 - Personal Privacy) or myself with questions.

Best Regards,

Ralph Iovinelli

Manager, Emissions Division (AEE-300)
 Office of Environment and Energy
 Federal Aviation Administration
 800 Independence Ave., SW
 Washington, DC 20591

+1-202-267-3566 office
+1-202-288-6372 mobile
ralph.iovinelli@faa.gov